

## ABSTRACT

1 A brewing apparatus, such as a coffeemaker, including a  
2 hot water heater; a first temperature sensor connected to  
3 the hot water heater; a second temperature sensor  
4 connected to either a cold water inlet to the heater or a  
5 hot water outlet from the heater; a pump connected to the  
6 cold water inlet for supplying water to the heater; and a  
7 controller coupled to the pump and the sensors. The pump  
8 is a variable speed pump. The controller is adapted to  
9 adjust the speed of the pump based upon signals from the  
10 sensors.